

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099131.D
 Acq On : 6 Oct 2017 6:20
 Operator : SJ/JU
 Sample : PB102898TB
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 07:19:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

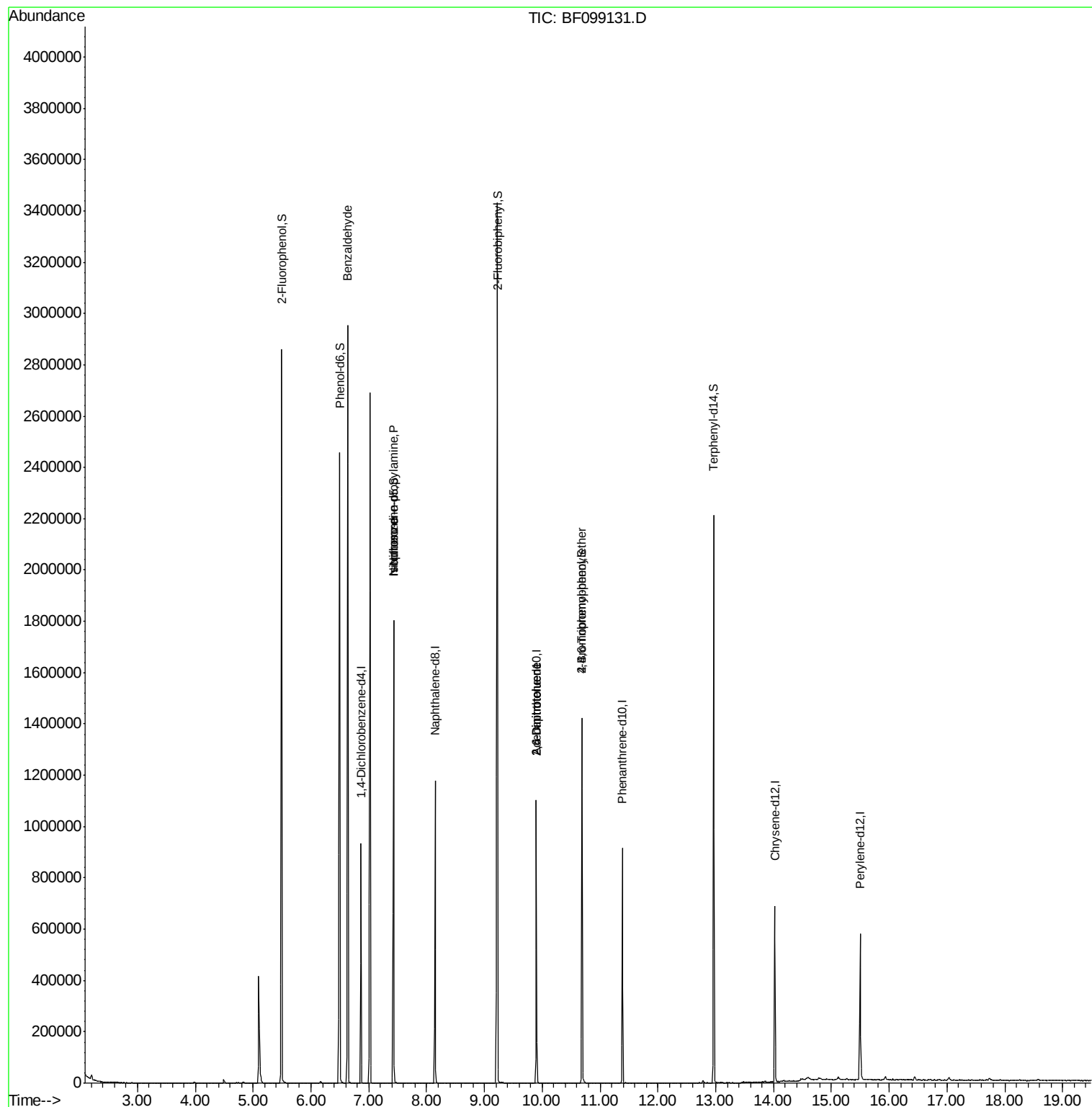
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125768	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	505179	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	208296	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	295783	20.00	ng	0.00
75) Chrysene-d12	14.02	240	220300	20.00	ng	-0.01
86) Perylene-d12	15.50	264	239509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	898230	113.69	ng	0.01
7) Phenol-d6	6.50	99	1071801	109.97	ng	0.00
23) Nitrobenzene-d5	7.43	82	645604	81.96	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	163290	95.80	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1117259	89.54	ng	0.00
78) Terphenyl-d14	12.97	244	646595	66.75	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	18065	3.20	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	84396	13.56	ng	# 75
25) Isophorone	7.43	82	645593	39.64	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	26016	7.60	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	26016	5.86	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	10514	3.63	ng	# 1

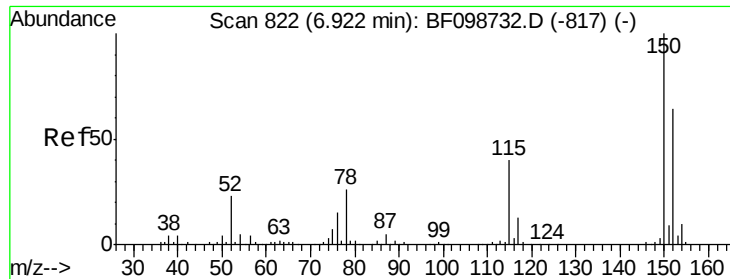
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

Instrument :

BNA_F

ClientSampleId :

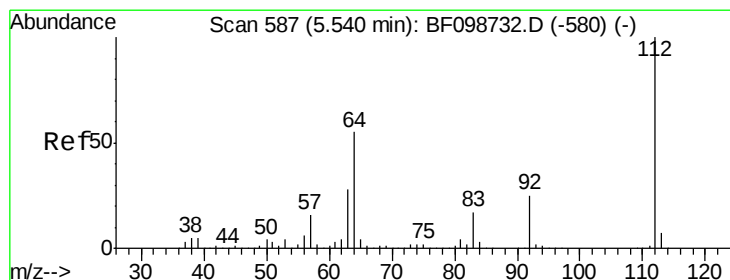
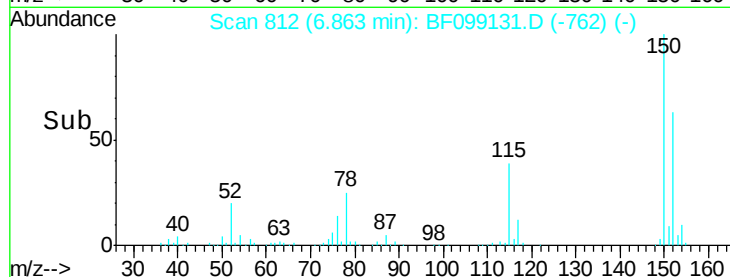
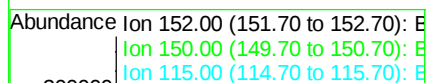
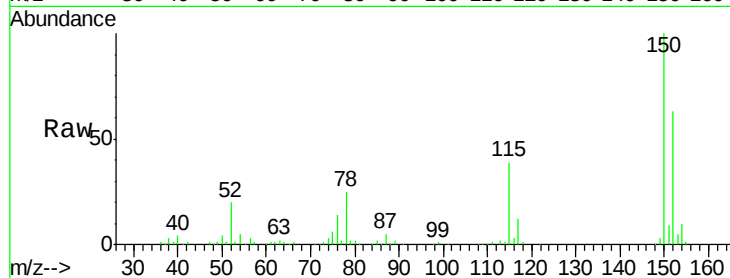
Tot Ion:152 Resp: 125768

Ion Ratio Lower Upper

152 100

150 157.8 124.6 186.8

115 61.2 50.1 75.1



#5

2-Fluorophenol

Concen: 113.69 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

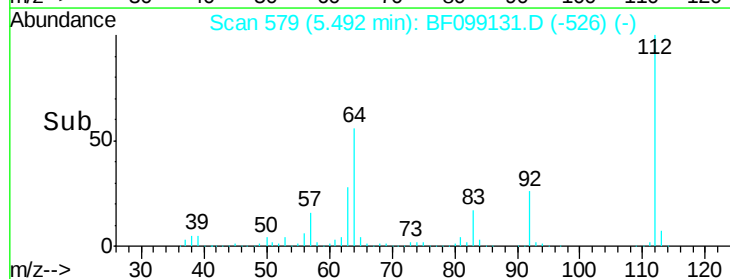
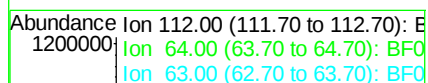
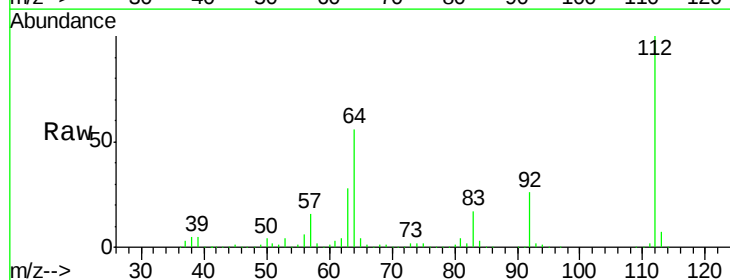
Tgt Ion:112 Resp: 898230

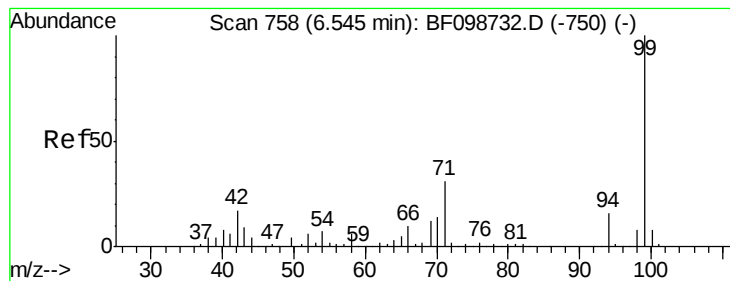
Ion Ratio Lower Upper

112 100

64 56.3 47.9 71.9

63 27.8 23.7 35.5





#7

Phenol-d6

Concen: 109.97 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

Instrument :

BNA_F

ClientSampleId :

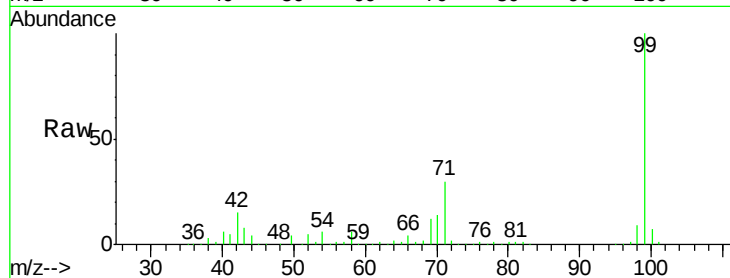
Tot Ion: 99 Resp: 1071801

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

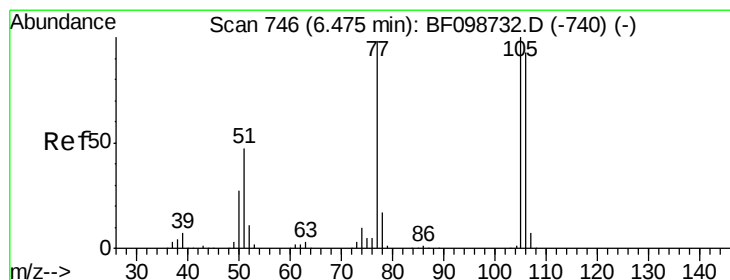
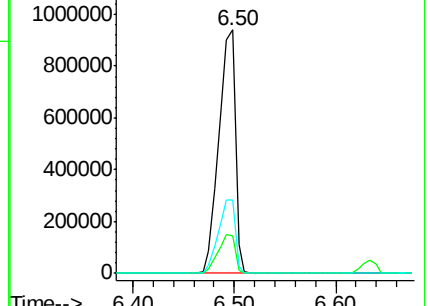
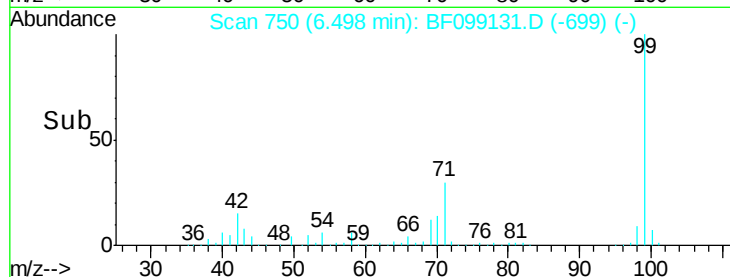
71 30.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.20 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

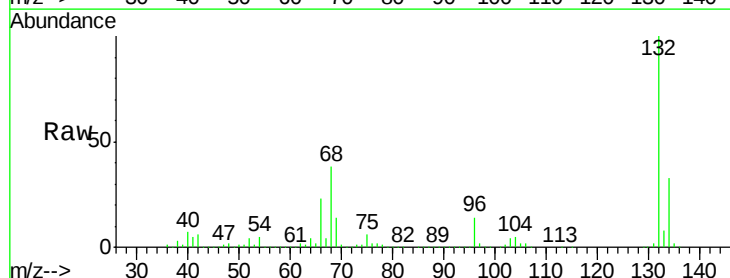
Tgt Ion: 77 Resp: 18065

Ion Ratio Lower Upper

77 100

105 85.0 81.1 121.1

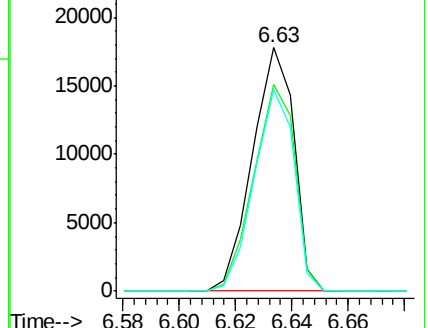
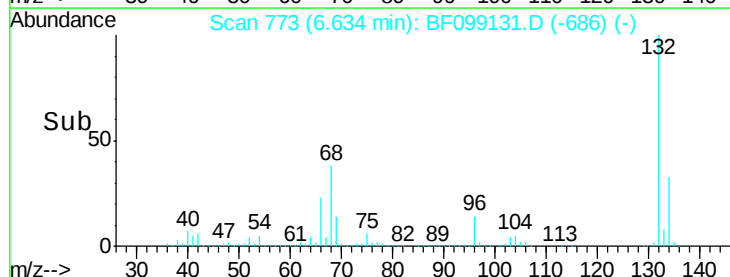
106 82.8 74.5 114.5

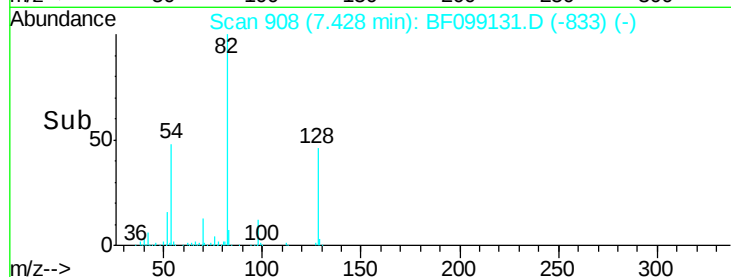
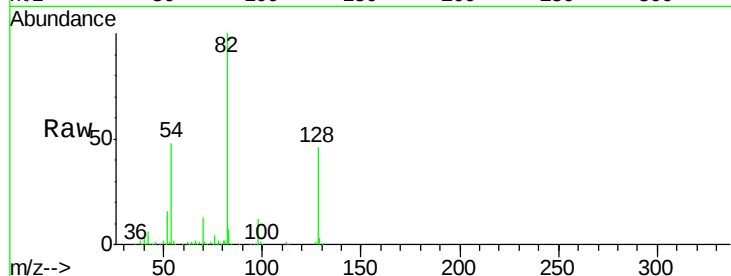


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 13.56 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 84396

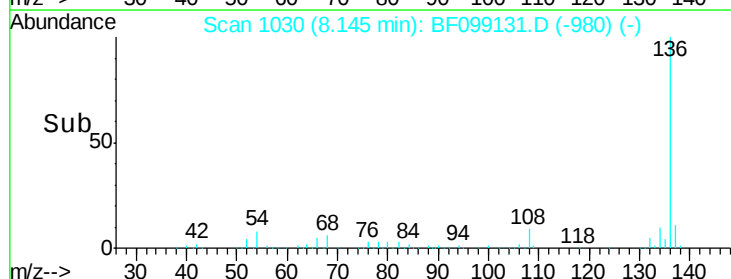
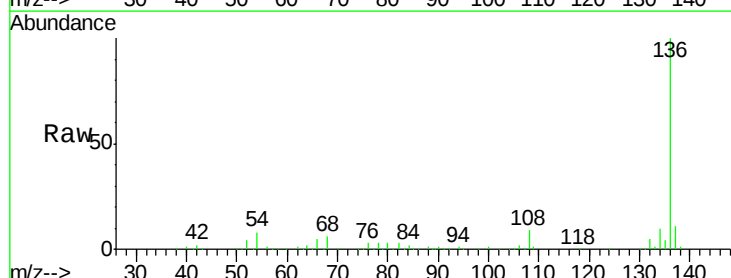
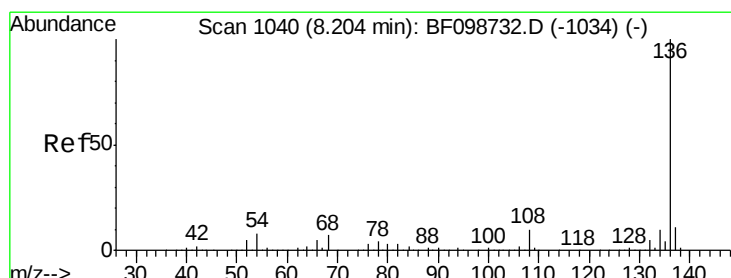
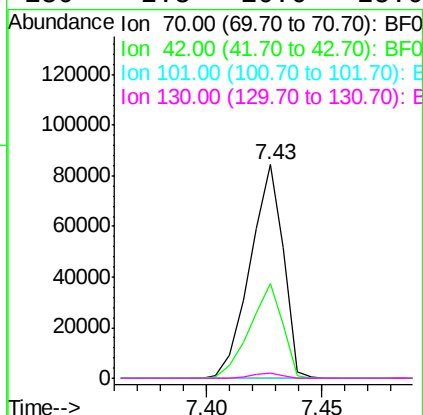
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

Tgt Ion: 136 Resp: 505179

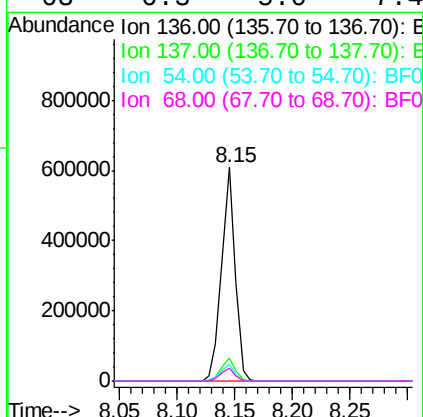
Ion Ratio Lower Upper

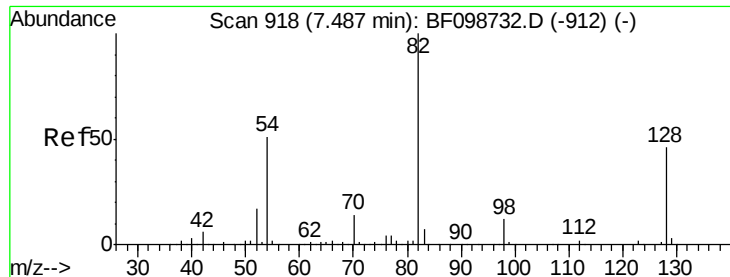
136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.3 5.0 7.4

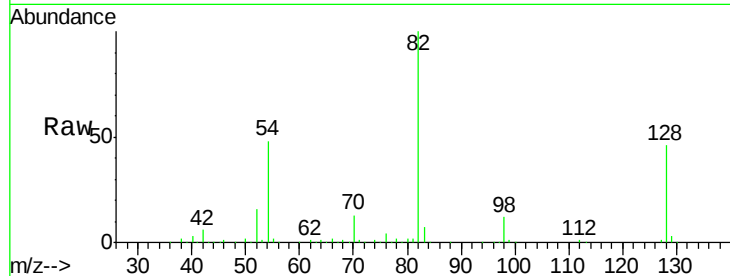




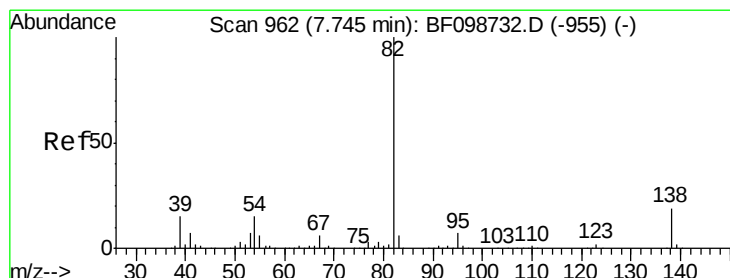
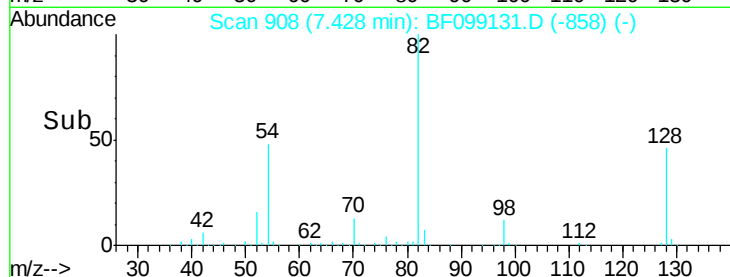
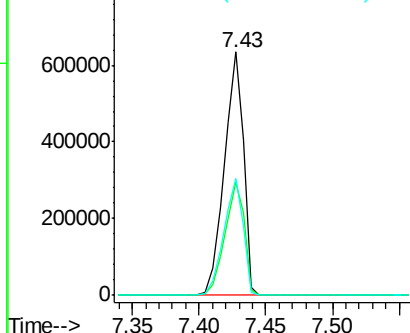
#23
 Nitrobenzene-d5
 Concen: 81.96 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099131.D
 Acq: 6 Oct 2017 6:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 645604
 Ion Ratio Lower Upper
 82 100
 128 46.5 36.1 54.1
 54 48.0 41.4 62.2

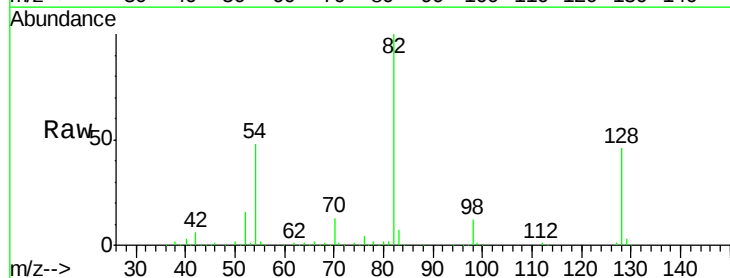


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

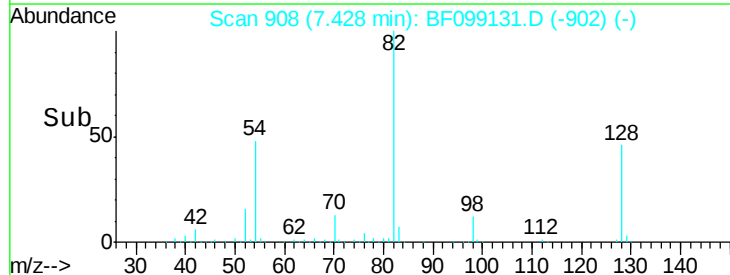
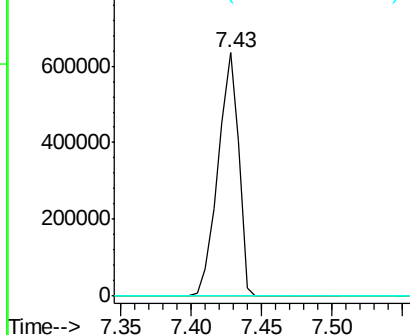


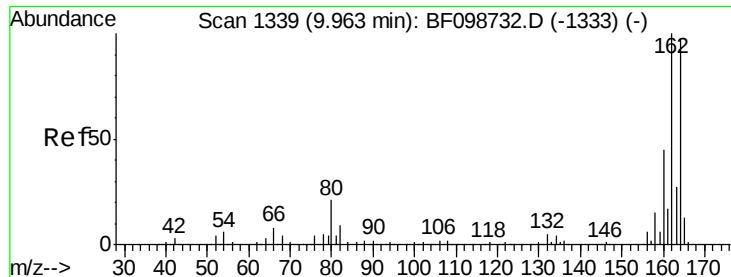
#25
 Isophorone
 Concen: 39.64 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099131.D
 Acq: 6 Oct 2017 6:20

Tgt Ion: 82 Resp: 645593
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

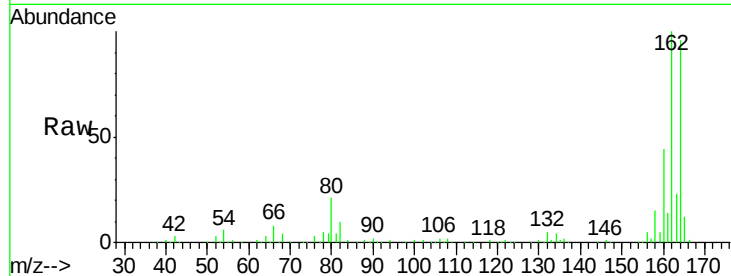




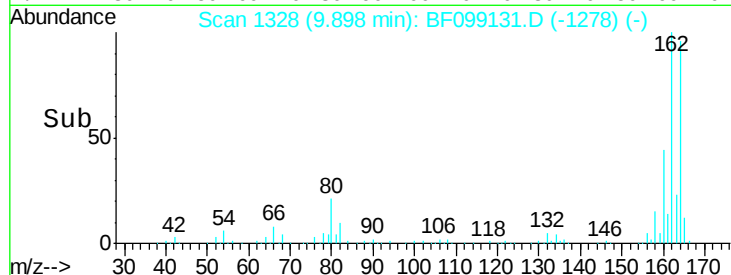
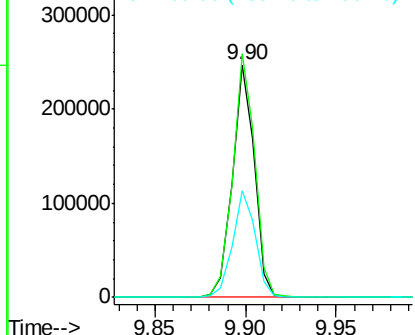
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 208296
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 45.9 38.3 57.5

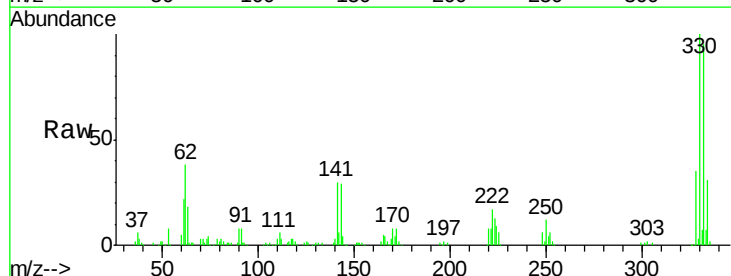


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

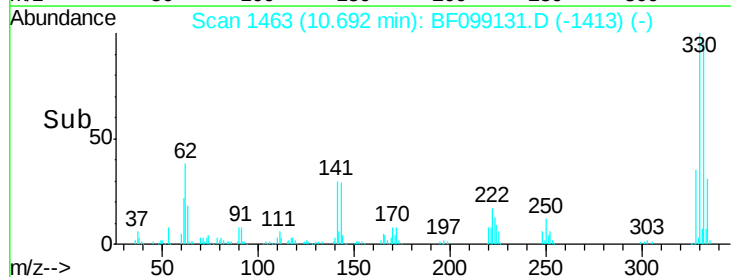
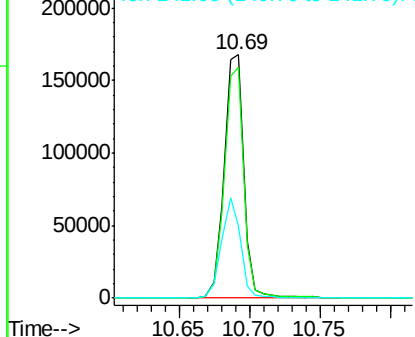


#41
2,4,6-Tribromophenol
Concen: 95.80 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

Tgt Ion:330 Resp: 163290
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 39.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



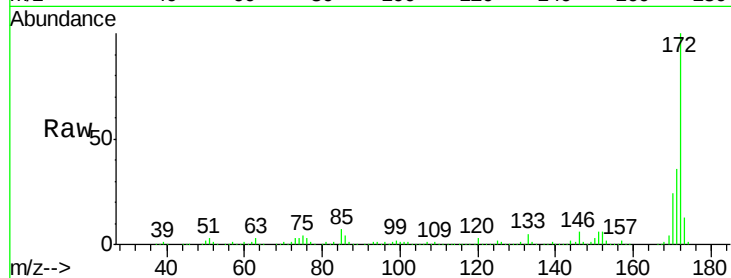


#44
 2-Fluorobiphenyl
 Concen: 89.54 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099131.D
 Acq: 6 Oct 2017 6:20

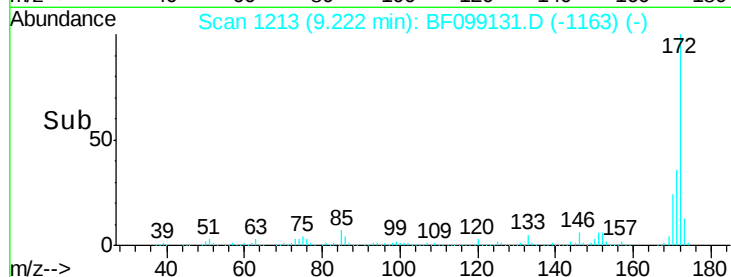
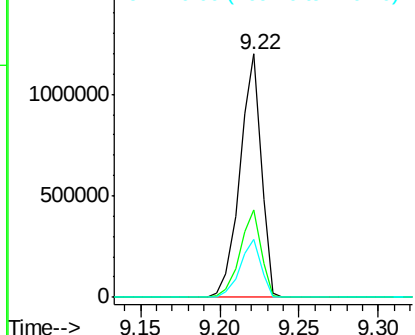
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1117259

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.0	19.6	29.4



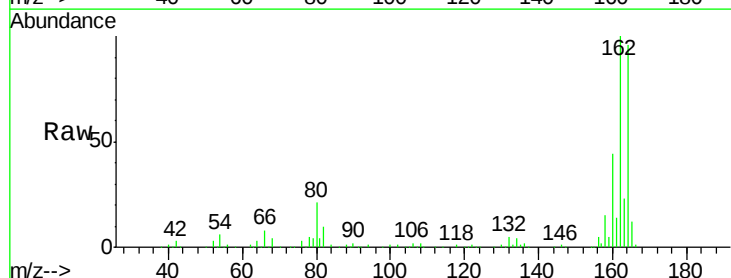
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



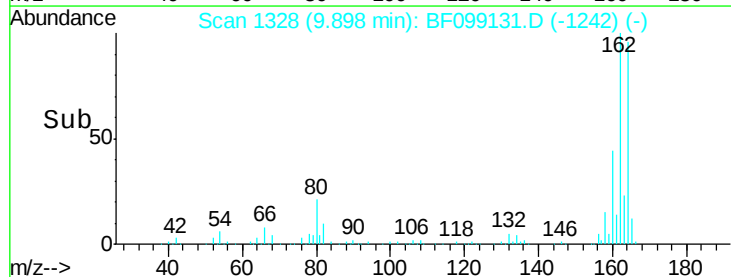
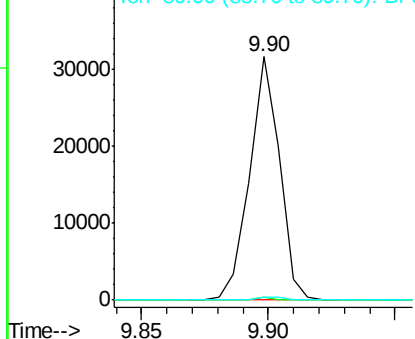
#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099131.D
 Acq: 6 Oct 2017 6:20

Tgt Ion:165 Resp: 26016

Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

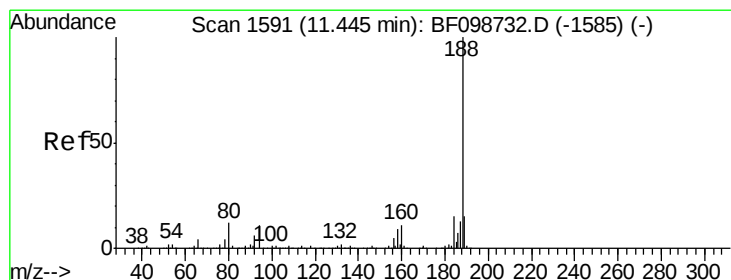
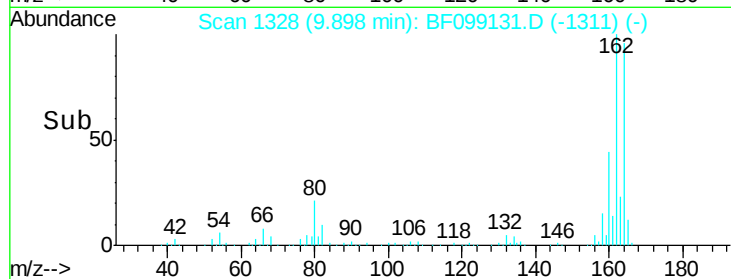
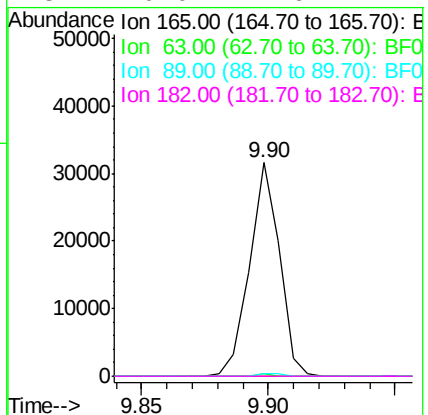
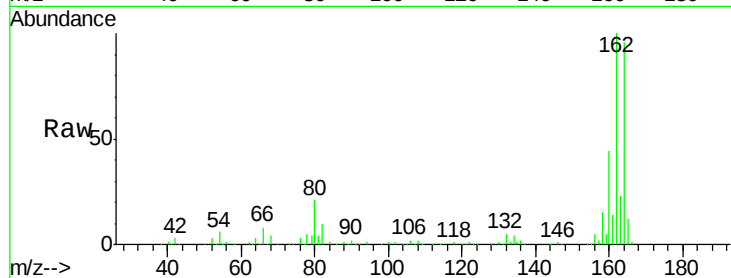




#56
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

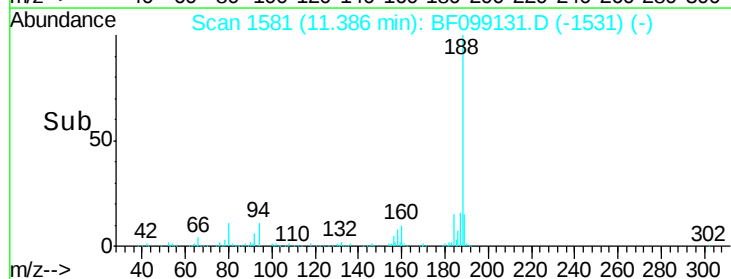
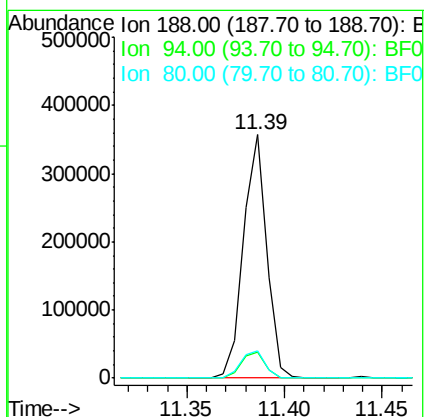
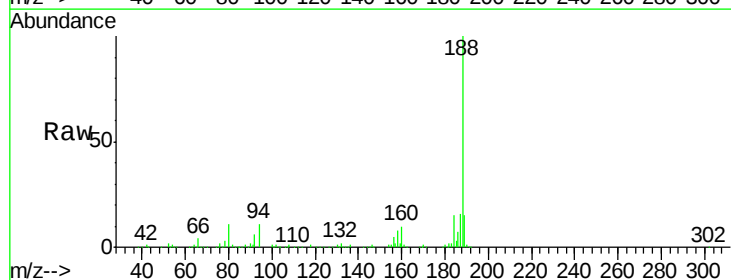
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.1	9.2	13.8

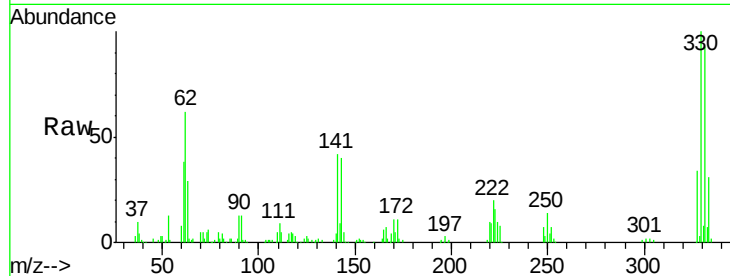




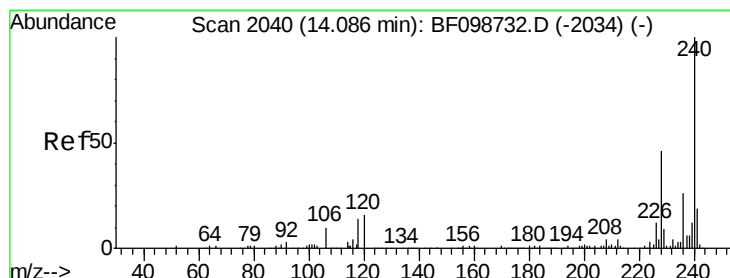
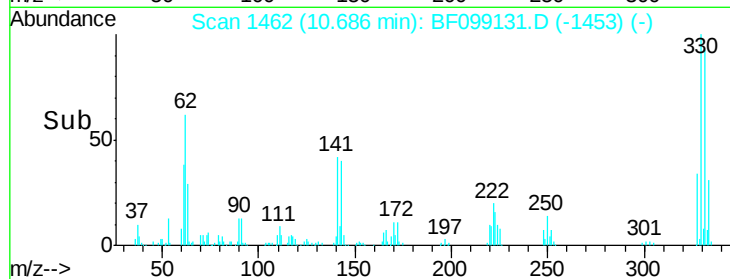
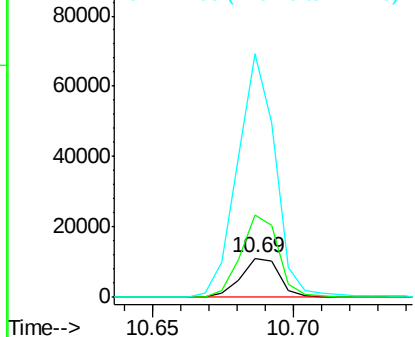
#66
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10514
Ion Ratio Lower Upper
248 100
250 210.3 76.9 115.3#
141 622.0 74.4 111.6#

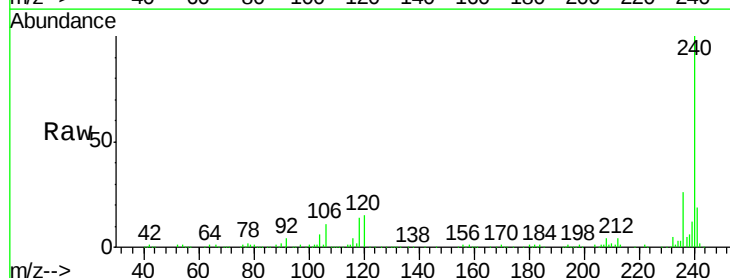


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

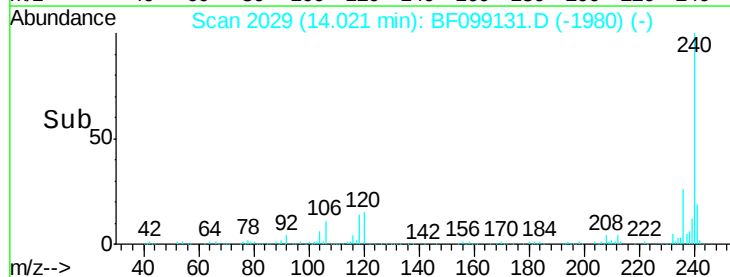
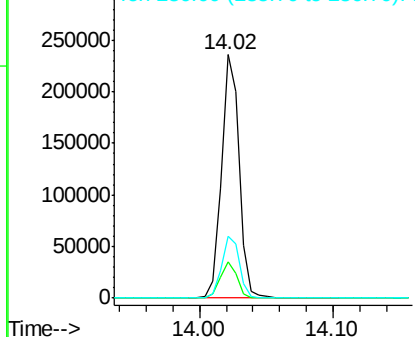


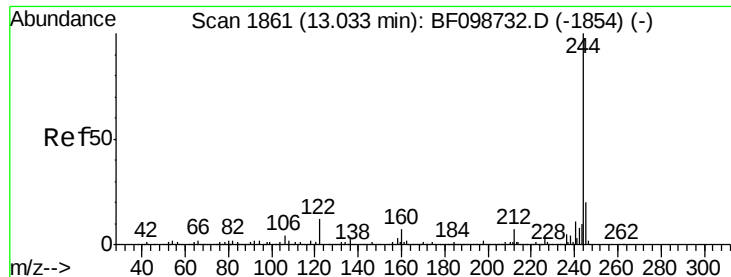
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099131.D
Acq: 6 Oct 2017 6:20

Tgt Ion:240 Resp: 220300
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.75 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

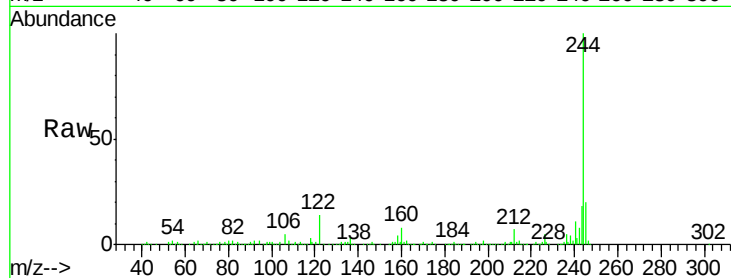
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 646595

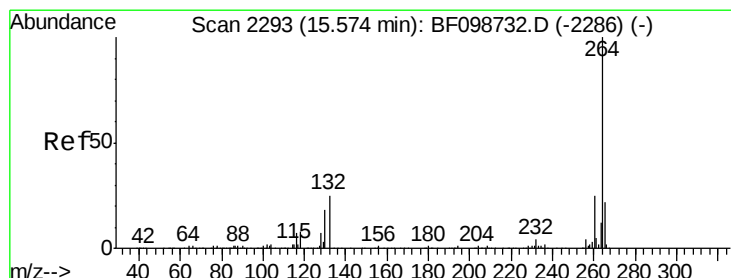
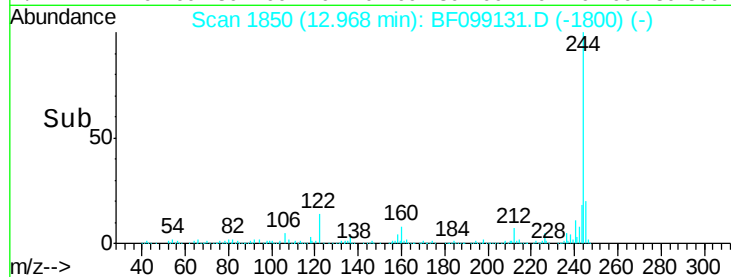
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.1	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099131.D

Acq: 6 Oct 2017 6:20

Tgt Ion:264 Resp: 239509

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.4	17.5	26.3

